

## STORMS AND WEATHER WARNINGS

## WASHINGTON FORECAST DISTRICT

A disturbance that was central off the North Carolina coast on the morning of the 1st, remained nearly stationary for 24 hours and then advanced north-northwest to a position immediately off the New Jersey coast on the evening of the 2nd. It thence moved slowly north-northeast to Nova Scotia by the morning of the 4th. Advices were disseminated on the 1st for strong northeast winds off the Middle Atlantic coast and on the morning of the 2nd northeast storm warnings were ordered for the Atlantic coast from Delaware Breakwater to Boston and at 3 p. m. of that date southeast warnings were extended to Eastport, Me. Strong winds and gales attended this disturbance.

On the evening of the 7th southwest storm warnings were ordered from Delaware Breakwater to Nantucket in connection with a disturbance of moderate intensity that was over Hudson Bay, but winds were only fresh to strong.

Northeast warnings were ordered from Delaware Breakwater to Boston on the afternoon of the 10th; but winds did not attain high velocities, and the warnings were ordered down the following morning.

In the morning radio bulletin of the 11th forecasts of strong winds were disseminated for the middle and north Atlantic coast. These were repeated on the 12th and the 13th, and strong winds and gales occurred as indicated.

Advisory warnings were issued on the afternoon of the 16th in connection with a disturbance over Georgia, but the disturbance did not increase in intensity as anticipated and dangerous winds did not result.

A disturbance that was off the South Atlantic coast on the evening of the 19th advanced rapidly north-northeast with greatly increased intensity to Massachusetts during the next 24 hours. On the evening of the 19th information was disseminated for increasing winds north of Sandy Hook and on the following morning northeast storm warnings were ordered from Delaware Breakwater to Eastport. Strong winds and gales occurred from Delaware Breakwater northward.

A disturbance of moderate intensity was over eastern Ontario on the evening of the 21st and advisory warnings were issued between Delaware Breakwater and Nantucket; further advices were disseminated on the morning of the 22nd and on the evening of that date northwest warnings were ordered displayed. Strong winds and gales occurred substantially as indicated.

Northwest storm warnings were ordered on the evening of the 26th on the Atlantic coast north of Delaware Breakwater and on the following afternoon they were changed to northeast. The strong winds and gales on the North Atlantic coast occurred substantially as indicated in the advices.

With a disturbance of increasing intensity over the North Carolina coast on the morning of the 29th, northeast storm warnings were ordered for the Atlantic coast from Delaware Breakwater to Nantucket and in the afternoon extended to Eastport. On the morning of the 30th the warnings were changed to northwest from Sandy Hook to Eastport. The winds and gales that followed were fully covered in the advices.

Frost warnings were issued for southern Alabama and southern Mississippi on the 12th, for portions of the South Atlantic and east Gulf States and Florida on the following morning and again on the 14th. The first two

were verified, but cloudiness prevented the occurrence on the 14th.

Frost warnings were again issued on the 20th, but were only partially verified on account of cloudiness.

On the 29th frost warnings were issued for Alabama, Mississippi, and northwest Florida and on the 30th for Georgia, Alabama, and portions of Florida. Frosts occurred substantially as indicated, except that frosts occurred in Georgia and extreme northern Florida on the 30th that were not predicted.

On the 26th cold-wave warnings were ordered for the lower Lake region, the Ohio valley and portions of the east Gulf and Atlantic States and marked changes to colder weather occurred as indicated.—*R. H. Weightman.*

## CHICAGO FORECAST DISTRICT

In the Chicago forecast district, January, 1925, was not a severe month, when contrasted with past months of the same name. In fact, there was much pleasant weather for the time of year; and especially was this true in the Northwestern States, particularly in Montana and Wyoming. Cold waves occurred with more or less frequency in the last two decades, but, as a rule, they were neither widespread nor of long duration.

*Cold-wave warnings.*—These were issued for some portion of the district on 15 days, but except in two cases, the warnings were for more or less limited areas. The most important cold wave was that covering the 25th to 27th, inclusive, and it affected virtually the entire district. Temperatures of from 20° to 30° below zero were reached at this time in most of North Dakota and northern Minnesota, while in portions of lower Michigan values were within a few degrees of the lowest of record for January. The warnings disseminated in this connection were well verified, but earlier action should have been taken for some north-central areas. Again on the 30th and 31st quite general warnings were issued for the northern and eastern portions of the district, but these failed of verification in western Montana, Illinois, Indiana, northern Missouri, and a few contiguous areas. Evidently, too much weight was given to the indications of the barometer-change map and not enough to Map "A."

*Storms on Lake Michigan.*—No severe storms affected Lake Michigan, where navigation continues to some extent throughout the winter months. However, strong winds occurred on a few days, reaching moderate gale force over portions of the lake once or twice. Advisory warnings were issued on the 6th, 20th, 21st, 25th and 31st.

*Livestock warnings.*—The month was favorable for livestock interests, and but one warning was issued in this connection; namely, that on the 15th for Nebraska, western Kansas and southern Wyoming.

*Special forecasts.*—On the morning of the date preceding the recent solar eclipse a special forecast of probable sky conditions along and near the path of totality in this district was made, the forecast calling for mostly cloudy weather. The ensuing conditions were as expected.—*C. A. Donnel.*

## NEW ORLEANS FORECAST DISTRICT

Cold-wave and livestock warnings were issued for the northwestern portion of the district on the morning of the 15th, and extended at night over the interior of east Texas and northern Louisiana. The warnings were extended on the morning of the 16th over the remainder of the district. The cold wave occurred as forecast over